IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An image processing apparatus for converting an interlaced image data to a non-interlaced ~~noninterlaced~~ image data, comprising:

a motion detection unit configured to compare ~~portion (3, 51) for comparing~~ pixel data of an interlaced image ~~(pixel data Di(0) and Di(+2F) comprising field screen Pi(0) and Pi(+2F), hereinafter, be described by reference numerals of the field screen to which belonging the pixel data in consideration of correspondence to drawings)~~ to perform a motion detection;

a history value generation unit configured to generate ~~portions (52, 53) for generating~~ a history value ~~(Hk) showing~~ indicating the number of times that a determination is continuously made that the interlaced image is a still image, ~~to be "a still image"~~ based on a motion detection result ~~(Dif(0))~~ from the motion detection unit ~~portion~~; and

a pixel data interpolation unit configured to mix ~~portion (4) for mixing a~~ pixel data [[(Pm)]] generated by interpolation in a field and [[a]] pixel data [[(Ps)]] generated by interpolation between a plurality of fields, based on pixel data of the interlaced image at a mixture ratio ~~(Rmix)~~ in accordance with the motion detection result ~~(Dif(0))~~ and the history value [[ (Hk)]], wherein the larger the history value [[(Hk)]] is, the larger the amount of pixel data [[(Ps)]] generated by interpolation between fields the pixel data interpolation unit ~~portion~~ [[(4)]] mixes.

Claim 2 (Currently Amended): An image processing apparatus as set forth in claim 1, wherein said pixel data interpolation unit ~~portion~~ [[(4)]] comprises;

an in-field interpolation unit configured to generate ~~portion (41) for generating~~ the pixel data [[(Pm)]] by interpolation from [[a]] pixel data ~~(Pi(+F))~~ in a field ~~filed~~;

an inter-field interpolation unit configured to generate ~~portion (42) for generating~~ the pixel data [[(Ps)]] by interpolation from pixel data ~~(Pi(+F) and Pi(+2F))~~ in a plurality of fields ~~filed~~;

a pixel data mixing unit configured to mix ~~portion (43) for mixing~~ the pixel data [[(Pm)]] from the in-field interpolation unit ~~portion (41)~~ and the pixel data [[(Ps)]] from the inter-field interpolation unit ~~portion (42)~~ at a predetermined mixture ratio ~~(Rmix)~~; and

a mixture ratio setting unit configured to change ~~portion [[(44)]] for changing~~ the mixture ratio ~~(Rmix)~~ determined by the motion detection result ~~(Dif(0))~~ of the motion detection unit ~~portion (3, 51)~~ and the history value [[(Hk)]] in such a way that the larger the history value [[(Hk)]] is, the higher a ratio of the pixel data [[(Ps)]] from the inter-field interpolation unit ~~portion (42)~~ becomes.

Claim 3 (Currently Amended): An image processing apparatus as set forth in claim 1, wherein said history value generation unit ~~portion (52, 53) generates~~ is configured to generate a history value ~~(Hk(+2F))~~ for interpolation of an adjacent pixel in a field delayed by one field from a field where [[a]] pixel data to be generated by the interpolation and updates with respect to each interpolation.

Claim 4 (Currently Amended): An image processing apparatus as set forth in claim 1, wherein said history value generation unit ~~portion (52, 53) generates~~ is configured to generate a history value ~~(Hk(+F))~~ for an interpolation of an adjacent pixel in a field differing from a field where [[a]] pixel data to be generated by the interpolation, ~~generates~~ generate a history value ~~(Hk(+2F))~~ for an interpolation of an adjacent pixel in the same field where [[a]] pixel data to be generated by the interpolation, and update ~~updates~~ respectively with respect to each interpolation.

Claim 5 (Currently Amended): An image processing method of converting an interlaced image data to a non-interlaced ~~noninterlaced~~ image data, comprising ~~the steps of~~:

~~motion-detecting by~~ comparing pixel data ~~(Pi(0) and Pi(+2F))~~ of an interlaced image pixel-by-pixel between frames to perform a motion detection;

generating a history value ~~(Hk) showing~~ indicating the number of times that a determination is continuously made that the interlaced image is a still image, ~~to be "a still image"~~ based on a result of the motion detection; and

interpolating by mixing pixel data [[(Pm)]] generated by interpolation in a field and pixel data [[(Ps)]] generated by interpolation between a plurality of fields, based on pixel data of the interlaced image at a mixture ratio ~~(Rmix)~~ in accordance with the motion detection result ~~(Dif(0))~~ and the history value [[(Hk)]], wherein the larger the history value [[(Hk)]] is, the larger amount of pixel data [[(Ps)]] generated by interpolation between fields mixes.

Claim 6 (Currently Amended): An image processing method as set forth in claim 5, wherein said interpolating [[step]] of pixel data further comprises;

in-field interpolating by generating the pixel data [[(Pm)]] of a line having no pixel data in a field by interpolation from pixel data ~~(Pi(+F))~~ in the field ~~filed~~;

inter-field interpolating by generating the pixel data [[(Ps)]] by interpolation from pixel data ~~(Pi(+F) and Pi(+2F))~~ in a plurality of fields ~~filed~~;

mixing of pixel data by mixing the pixel data [[(Pm)]] generated by the in-field interpolating and the pixel data [[(Ps)]] generated by the inter-field interpolation unit ~~portion~~ ~~(42)~~ at a predetermined mixture ratio ~~(Rmix)~~; and

setting of a mixture ratio by changing the mixture ratio ~~(Rmix)~~ determined by the motion detection result ~~(Dif(0))~~ of the motion detection and the history value [[(Hk)]] in such

a way that the larger the history value [[(Hk)]] is, the higher a ratio of the pixel data [[(Ps)]] generated by the inter-field interpolating ~~interpolatiing~~ becomes.